

Abstract Of The Disclosure

5 A protective layer which is relatively permeable for CO₂ and relatively impermeable for SO₂ is designed so as to yield a reduced penetration time for CO₂ molecules. The protective layer is composed of a gas-permeable carrier made of a material which is resistant to sulfuric acid media such as SO₂ and SO₃, has a surface that can be exposed to a gas and is provided with an oxidizing agent whose oxidation potential is sufficient to oxidize SO₂.